MODULE 1–TRENDS AND INDUSTRY INFLUENCES

A-3v: Video: Tech-Trends Trivia
In 1985, this vehicle maker ceased using the Datsun name on vehicles imported to the U.S. (pause) Nissan

A-11v: Video: Tech-Trends Trivia
Which vehicle maker was the first to offer a sunroof as an option on their models? (pause) Nash Motor Company on some 1937 models

A-18v: Video: Tech-Trends Trivia
This vehicle maker was a joint developer of the Harley-Davidson V-Rod engine. (pause) Porsche

A-23v: Video: Buick Noise Cancellation
The 2013 Encore is Buick's first use of the active noise cancellation technology. This technology is standard on all Encores.

Ceiling-mounted microphones, like this right here, detect engine noise. The frequencies of the engine noise are processed by a computer that directs counteracting sound waves through the audio system's speakers and subwoofers. Other features of the system include an acoustically treated headliner, along with a specific gap between it and the high-strength-steel panel above it. There is foam baffle insulation at the opening of the body structure cavities. There's also sound-deadening material on the vehicle interior, under the hood, and in the wheelhouse areas. The windshield is acoustic-laminated, and the door windows are 5 mm thick, thicker than normal. The shape of the outside mirrors play a role, as do the tires, which are described as quiet-tuned.

All of these characteristics play a role in lessening the sound in the interior of the 2013 Buick Encore.

B-1v: Video: Tech-Trends Trivia
What is the only vehicle in North America with a rear curtain airbag? (pause) The Scion iQ

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C-1v: Video: Tech-Trends Trivia
What was the first vehicle with a knee airbag option? (pause) The 1996 Kia Sportage.

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